

## FILE FOLDER

### DESCRIPTION ON TAB:

Hydrant Letter

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- Outside/inside of actual folder did not contain hand written information**
- Outside/inside of actual folder did contain hand written information**  
**\*Scanned as next image**

Ruff

(Hydrant  
Betz disk)

6240/2  
NREAD  
10 Mar 87

LOOKS  
OKAY.  
Betz

From: Supervisory Chemist, Environmental Chemistry and Microbiology Section, Natural Resources and Environmental Affairs Division, Marine Corps Base, Camp Lejeune  
To: Supervisory Ecologist, Environmental Branch, Natural Resources and Environmental Affairs Division, Marine Corps Base, Camp Lejeune  
Subj: FIRE HYDRANT ACROSS FROM FUEL FARM

Encl: (1) JTC Environmental Consultants Data Sheets

1. On 16 December 1986, Tom Barbee and I sampled the fire hydrant across from the Fuel Farm. The Fire Department during their routine hydrant inspections had smelled something they felt was fuel or gasoline in the water when they opened the hydrant.

2. We sampled the hydrant in the afternoon. Earlier that day, Base Safety had run some tests so the hydrant had been opened at least once. We took two samples. The first sample (JTC Sample #12-4085) was of the first water out of the hydrant that afternoon. It showed traces of Benzene, Ethylbenzene, Toluene Xylene and THM's. The second sample (JTC Sample #12-4086) was taken after the hydrant was flushed for approximately 10 minutes. The only thing present was THM's.

3. In my opinion, the traces of Benzene, Ethylbenzene, Toulene, and Xylene are coming from the soil and not the water system. The Fuel Farm has had leaks in the past and apparently the soil under the hydrant where it drains, is contaminated with some fuel. These compounds are flammable, but analysis showed less than 10 mg/L.

4. The readings were low, however, the hydrant had been flushed earlier that day, so the readings may be higher on an initial opening of the hydrant after it has been left alone between the Fire Department Inspections.

ELIZABETH A. BETZ

100-102-1

6240/2

From: SUPERVISORY CHEMIST, EC+MS, ENVIRONMENTAL BRANCH

To: SUPERVISORY ECOLOGIST, ENVIRONMENTAL BRANCH

SUBJ: FIRE HYDRANT ACROSS FROM FUEL FARM

ENCL: (1) JTC ENVIRONMENTAL CONSULTANTS DATA SHEETS

1. ON 16 DECEMBER 1986, TOM BARBEE AND I SAMPLED THE FIRE HYDRANT ACROSS FROM THE FUEL FARM. THE FIRE DEPARTMENT DURING THEIR ROUTINE HYDRANT INSPECTIONS HAD SMELLED SOMETHING ~~FROM~~ THEY FELT WAS FUEL OR GASOLINE IN THE WATER WHEN THEY OPENED THE HYDRANT.

2. WE SAMPLED THE HYDRANT IN THE AFTERNOON. EARLIER THAT DAY BASE SAFETY HAD ~~TESTED~~ RUN SOME TESTS SO THE HYDRANT HAD BEEN OPENED ~~EARLY~~ AT LEAST ONCE. WE TOOK TWO SAMPLES. THE FIRST SAMPLE (JTC SAMPLE #12-4085) WAS OF THE FIRST WATER OUT OF THE HYDRANT THAT AFTERNOON. IT SHOWED TRACES OF BENZENE, ETHYLBENZENE, TOLUENE ~~AND~~ XYLENE AND THMs. THE SECOND SAMPLE (JTC SAMPLE #12-4086) WAS TAKEN AFTER THE HYDRANT WAS FLUSHED FOR APPROXIMATELY 10 MINUTES. THE ONLY THING ~~PRESENT~~ PRESENT WAS THMs.

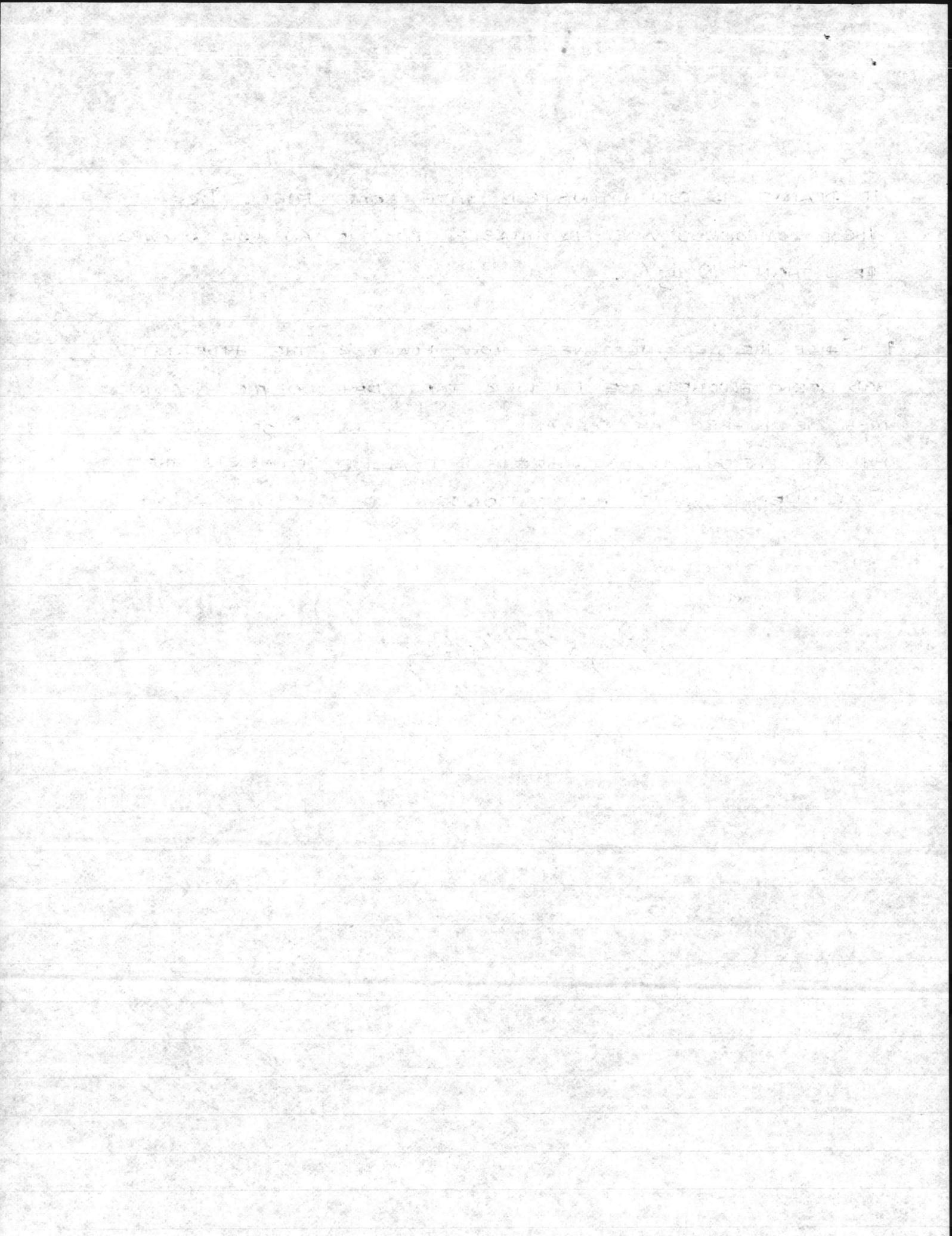
3. IN MY OPINION THE TRACES OF BENZENE, ETHYLBENZENE, TOLUENE, AND XYLENE IS COMING FROM THE SOIL AND NOT THE WATER SYSTEM. THE FUEL FARM HAS HAD LEAKS IN THE PAST AND APPARENTLY THE SOIL UNDER HYDRANT WHERE

ENCLOSURE (1) TO ENVIRONMENTAL RECORD AND DATA SHEETS

IT DRAINS IS CONTAMINATED WITH SOME FUEL. ~~FIRE~~  
THESE COMPOUNDS ARE FLAMMABLE BUT THE ANALYSIS SHOWED  
LESS THAN 10  $\mu\text{g/L}$ .

4. ~~SINCE~~ THE READINGS WERE LOW, HOWEVER THE HYDRANT  
HAD BEEN FLUSHED ~~BE~~ EARLIER THAT DAY SO THE READINGS  
MAY BE HIGHER ~~AN~~ ON AN INITIAL OPENING OF THE  
HYDRANT AFTER IT HAS BEEN LEFT ALONE BETWEEN THE  
FIRE DEPARTMENT INSPECTIONS.

Elizabeth A. Berg



J  
T

C Environmental Consultants, Inc.

## PRIORITY POLLUTANT ANALYSIS DATA SHEET

## VOLATILE FRACTION

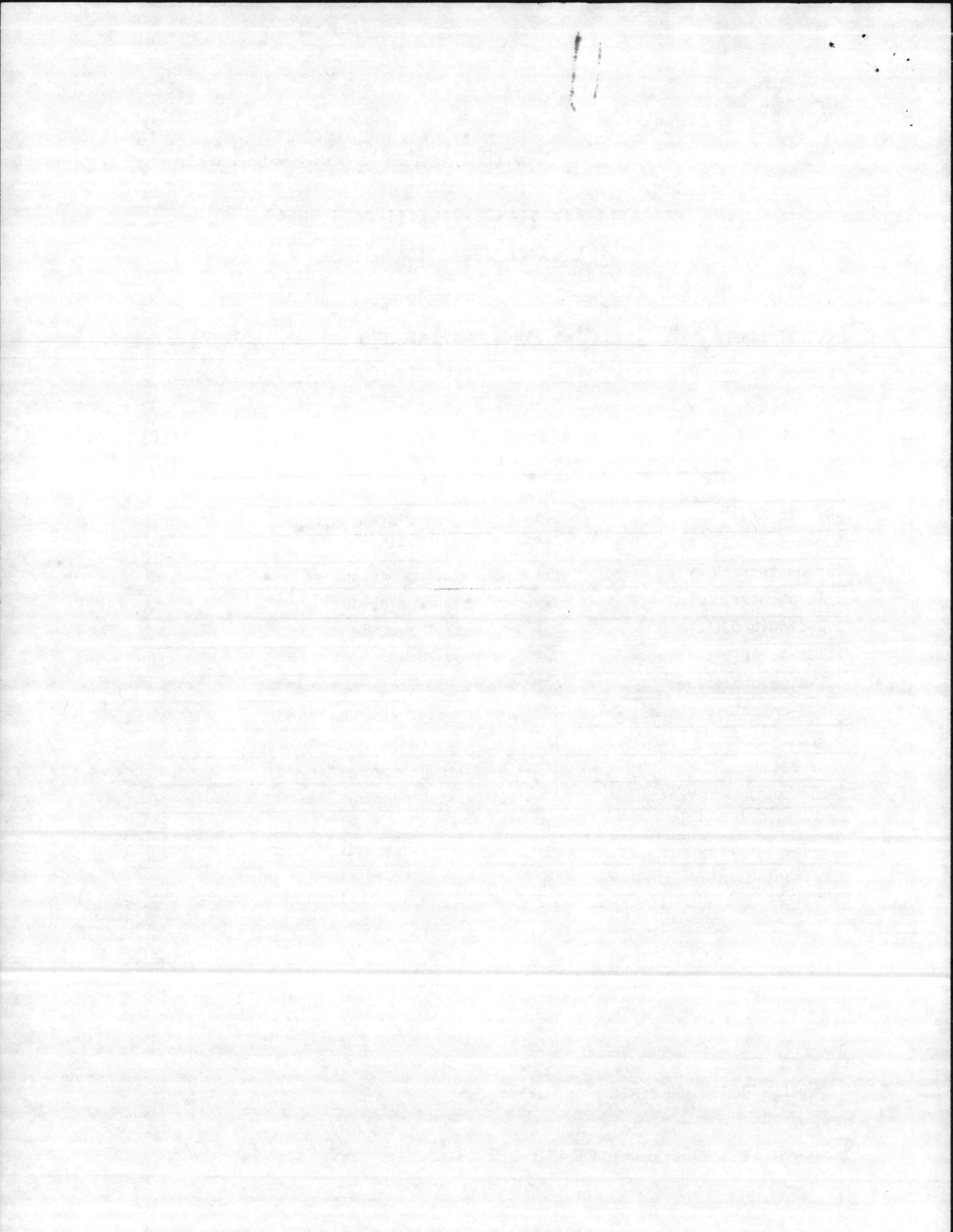
JTC SAMPLE # 12-4085 PROJECT NO. NF-12 #493  
CLIENT SAMPLE # Hydrawt #1 DATE RECEIVED 12-17-86  
METHOD NO. 624 DETECTION LIMIT 10 ug/L

PARAMETER	RESULT ug/L	PARAMETER	RESULT ug/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	<del>ND</del> 2*	ethylbenzene	<del>ND</del> 2*
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	ND	bromoform	ND
1,1-dichloroethane	ND	dichlorobromomethane	<del>ND</del> 7 *
1,1,2-trichloroethane	ND	trichlorofluoromethane	ND
1,1,2,2-tetrachloroethane	ND	dichlorodifluoromethane	ND
chloroethane	ND	chlorodibromomethane	<del>ND</del> 3 *
2-chloroethylvinylether	ND	tetrachloroethylene	ND
chloroform	9* <del>ND</del>	toluene	<del>ND</del> 2 *
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
		xylene	<del>ND</del> 9 *

ND = NOT DETECTED

\* = BELOW DETECTION LIMIT

Sample analysis did not indicate the presence of gasoline.



J  
T

C Environmental Consultants, Inc.

## PRIORITY POLLUTANT ANALYSIS DATA SHEET

## VOLATILE FRACTION

JTC SAMPLE # 12-4086 PROJECT NO. NF-12#493  
CLIENT SAMPLE # Hydrant #2 DATE RECEIVED 12-17-86  
METHOD NO. 624 DETECTION LIMIT 10 ug/L

PARAMETER	RESULT ug/L	PARAMETER	RESULT ug/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	ND	ethylbenzene	ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	ND	bromoform	ND
1,1-dichloroethane	ND	dichlorobromomethane	<del>ND</del> 8 *
1,1,2-trichloroethane	ND	trichlorofluoromethane	ND
1,1,2,2-tetrachloroethane	ND	dichlorodifluoromethane	ND
chloroethane	ND	chlorodibromomethane	<del>ND</del> 3 *
2-chloroethylvinylether	ND	tetrachloroethylene	ND
chloroform	<del>ND</del> 13	toluene	ND
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
		xylenes	ND

ND = NOT DETECTED

\* = BELOW DETECTION LIMIT

Sample analysis did not indicate the presence of gasoline.

U

**ROUTINE REPLY, ENDORSEMENT, TRANSMITTAL OR INFORMATION SHEET**

OPNAV 5216/158 (Rev. 7-78)  
 SY 0107-LF-052-1691

A WINDOW ENVELOPE MAY BE USED

Formerly NAVEXOS 378V

CLASSIFICATION (UNCLASSIFIED when detached from enclosures, unless otherwise indicated)

FROM (Show telephone number in addition to address)

SUBROTO MITRO 445-2934

DATE 01-12-87

SUBJECT

LABORATORY REPORT

SERIAL OR FILE NO. 1141 SM

TO:

Comm  
 MCB

FIRE HYDRANT

NC

REFERENCE N62470-84-B-6932

ENCLOSURE

2 Copies of JTC  
 Laboratory Analysis  
 Report #493

(ATTN:

VIA:

FORWARDED  RETURN

SUBMIT  CERTIFY  MAIL  FILE

GENERAL ADMINISTRATIVE

PERSONNEL

FOR APPROPRIATE ACTION

REPORTED TO THIS COMMAND:

UNDER YOUR COGNIZANCE

NAME & LOCATION OF SUPPLIER OF SUBJECT ITEMS

INFORMATION

SUBCONTRACT NO. OF SUBJECT ITEM

APPROVAL RECOMMENDED

YES  NO

APPROPRIATION SYMBOL, SUBHEAD, AND CHARGEABLE ACTIVITY

APPROVED  DISAPPROVED

SHIPPING AT GOVERNMENT EXPENSE

YES  NO

COMMENT AND/OR CONCURRENCE

A CERTIFICATE, VICE BILL OF LADING

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LOANED, RETURN BY:

COPIES OF CHANGE ORDERS, AMENDMENT OR MODIFICATION

SIGN RECEIPT & RETURN

CHANGE NOTICE TO SUPPLIER

REPLY TO THE ABOVE BY:

STATUS OF MATERIAL ON PURCHASE DOCUMENT

REFERENCE NOT RECEIVED

REMARKS (Continue on reverse)

SUBJECT DOCUMENT FORWARDED TO:

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SUBJECT DOCUMENT HAS BEEN REQUESTED, AND WILL BE FORWARDED WHEN RECEIVED

COPY OF THIS CORRESPONDENCE WITH YOUR REPLY

ENCLOSURE NOT RECEIVED

ENCLOSURE FORWARDED AS REQUESTED

ENCLOSURE RETURNED FOR CORRECTION AS INDICATED

CORRECTED ENCLOSURE AS REQUESTED

REMOVE FROM DISTRIBUTION LIST

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SIGNATURE & TITLE

Subroto Mitro ENV-ENGG

COPY TO:

11 S, 114 S, 114

CLASSIFICATION (UNCLASSIFIED when detached from enclosures, unless otherwise indicated)

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**ROUTINE REPLY, ENDORSEMENT, TRANSMITTAL OR INFORMATION SHEET**

OPNAV 5216/158 (Rev. 7-78)  
 SY 0107-LF-052-1691

A WINDOW ENVELOPE MAY BE USED  
 Formerly NAVEXOS 378v

CLASSIFICATION (UNCLASSIFIED when detached from enclosures, unless otherwise indicated)

FROM (Show telephone number in addition to address)

SUBROTO MITRO 445-2934

DATE 01-12-87

SUBJECT

LABORATORY REPORT #493

SERIAL OR FILE NO. 1141 SM

TO:

COMMANDING OFFICER  
 MCB, Camp Lejeune, NC

REFERENCE N62470-84-B-6932

ENCLOSURE  
 2 Copies of JTC  
 Laboratory Analysis  
 Report #493

(ATTN: Elizabeth Betts)

VIA:

ENDORSEMENT ON

FORWARDED  RETURNED  FOLLOW-UP, OR TRACER  REQUEST  SUBMIT  CERTIFY  MAIL  FILE

GENERAL ADMINISTRATION		CONTRACT ADMINISTRATION		PERSONNEL	
FOR APPROPRIATE ACTION UNDER YOUR COGNIZANCE INFORMATION	APPROVAL RECOMMENDED <input type="checkbox"/> YES <input type="checkbox"/> NO	NAME & LOCATION OF SUPPLIER OF SUBJECT ITEMS	APPROPRIATION SYMBOL, SUBHEAD, AND CHARGEABLE ACTIVITY	REPORTED TO THIS COMMAND:	
<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	COMMENT AND/OR CONCURRENCE CONCUR	SHIPPING AT GOVERNMENT EXPENSE <input type="checkbox"/> YES <input type="checkbox"/> NO	A CERTIFICATE, VICE BILL OF LADING	DETACHED FROM THIS COMMAND	
LOANED, RETURN BY:	SIGN RECEIPT & RETURN REPLY TO THE ABOVE BY:	COPIES OF CHANGE ORDERS, AMENDMENT OR MODIFICATION	CHANGE NOTICE TO SUPPLIER	OTHER	
REFERENCE NOT RECEIVED	SUBJECT DOCUMENT FORWARDED TO:	STATUS OF MATERIAL ON PURCHASE DOCUMENT			
SUBJECT DOCUMENT RETURNED FOR:	SUBJECT DOCUMENT HAS BEEN REQUESTED, AND WILL BE FORWARDED WHEN RECEIVED				
COPY OF THIS CORRESPONDENCE WITH YOUR REPLY	ENCLOSURE NOT RECEIVED				
ENCLOSURE FORWARDED AS REQUESTED	ENCLOSURE RETURNED FOR CORRECTION AS INDICATED				
CORRECTED ENCLOSURE AS REQUESTED	REMOVE FROM DISTRIBUTION LIST				
REDUCE DISTRIBUTION AMOUNT TO:					

REMARKS (Continue on reverse)

SIGNATURE & TITLE *Subroto Mitro* ENV-ENGR

COPY TO:

11 S, 114 S, 114

CLASSIFICATION (UNCLASSIFIED when detached from enclosures, unless otherwise indicated)

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REPORT # 493  
LABORATORY ANALYSIS ON  
NAVAL SAMPLES  
(A/E CONTRACT N62470-84-B-6932)  
JTC REPORT # 87-001

PREPARED FOR:  
DEPARTMENT OF THE NAVY  
ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VA 23511

PREPARED BY:  
JTC ENVIRONMENTAL CONSULTANTS, INC.  
4 RESEARCH PLACE, SUITE L-10  
ROCKVILLE, MARYLAND 20850

JANUARY 5, 1987

*Ann E Rosecrance*

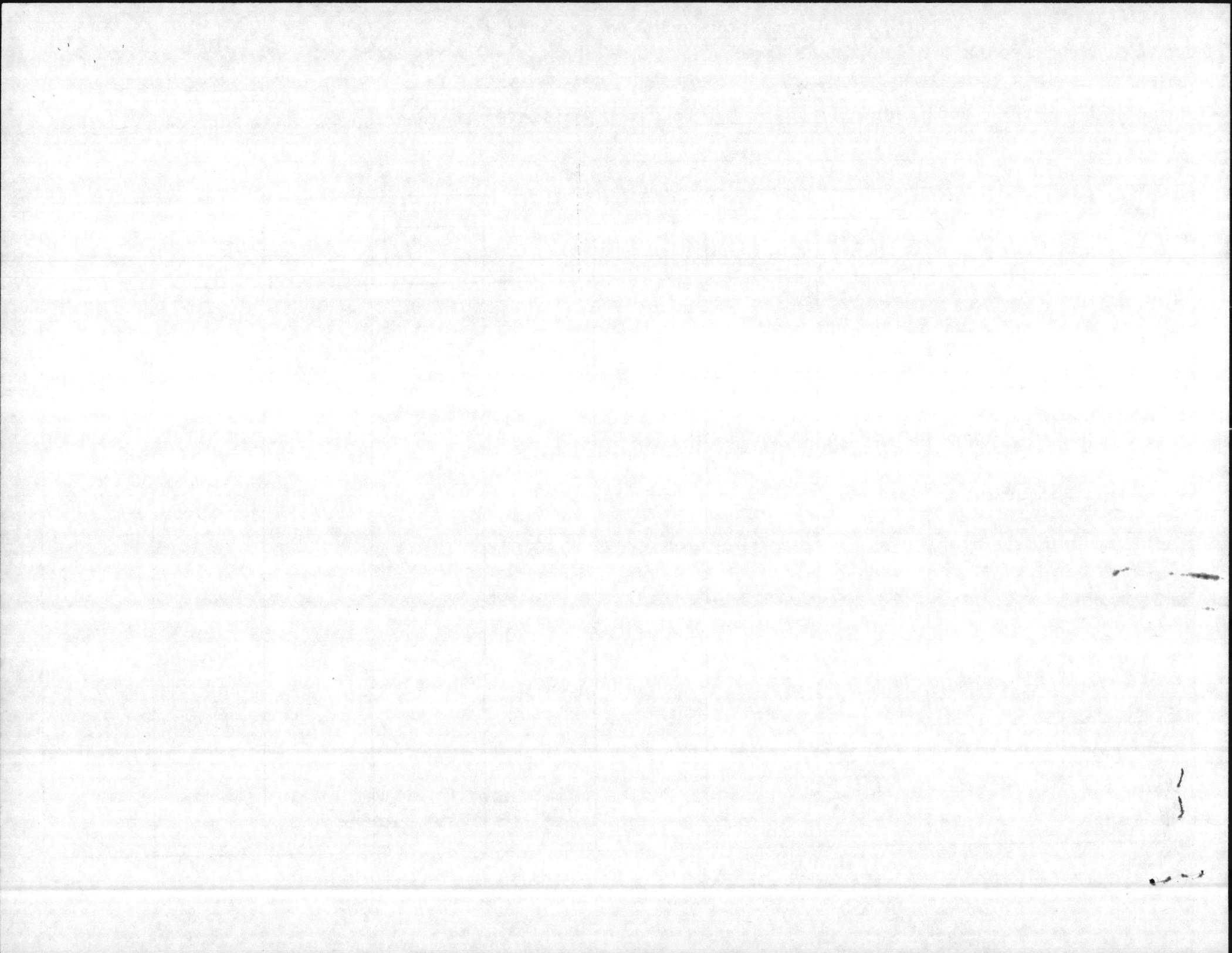
Ann E. Rosecrance  
Laboratory Director

NOTALSD

Location: Camp Lejeune Date of Receipt: 12-17-86 Turnaround: routine  
 Date: 1/2/87 Report No. 493 to Naval Facilities Engineering Command, Norfolk, Virginia  
 JTC Data Report No. 87-001 Table 1

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		VOA						
HP-20 Treated 12-16-86	12-4082	see attached sheet						
RR 229 12-16-86	12-4083	"						
TI-38 Treated 12-16-86	12-4084	"						
Hydrant Sample 1 12-16-86	12-4085	" *						
Hydrant Sample 2 12-16-86	12-4086	" *						

\* Sample also checked for presence of gasoline.





BLDG 1002

SMELT GAS.

RUN FOR AWHILE O. 2 FLAMMABLE

1 YEAR

7

OPERATOR

O2            2 2 2

3

2 3            2 2



12345678 8910

- CHIEF FRENCH ←

- TEX RITTER ←

SMITHY

- MACK FRAZELLE

2 WEEKS AGO →

YESTERDAY →

CRACK AT THE TOP

- SMELL THE GAS

- NO READING

SD NO READING

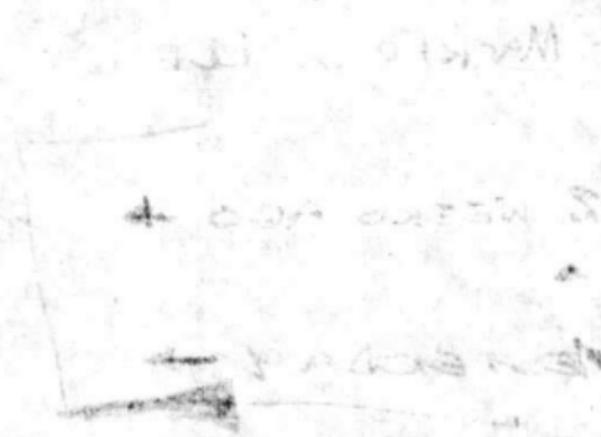
OTHER NO READING

HYDRATES

1.87

0.47 → 0.48

1  
- (High Level)



CRACK AT THE TOP  
- SHOWS THE ONE  
- NO READING  
- NO READING

NO READING

